## UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hajji et al.	) Group Art Unit: Unknown
Application No.: Unknown	) Examiner: Unknown
Confirmation No.: Unknown	) )
Filed:	)
Attorney Doc. No. SJO920020150US1	)
Title: Using Redundant Spares to Reduce Storage Device Array Rebuild Time	) ) ) ) ) I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED IN AN ENVELOPE WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED BELOW, AND SUCH ENVELOPE IS ADDRESSED TO MAIL STOP PATENT APPLICATION COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450 ON (DATE) JUNE 25, 2003 TIMOTHY N. ELLIS, REG. NO. 41,734

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Information Disclosure Statement forms (PTO/SB/08A and 08b), and a copy of each document listed on the forms, are attached for the examiner's consideration.

Respectfully submitted,

Tim Ellis

Timothy N. Ellis Reg. No. 41,734

Attorney for Applicant

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO	Col	mpl t if Known	
	Application Number		
INFORMATION DISCLOSURE	Filing Date		
INFORMATION DISCLOSURE	First Named Inventor	Hajji	
STATEMENT BY APPLICANT	Art Unit		
(Use as many sheets as necessary)	Examiner Name		
Sheet 1 of 2	Attorney Docket Number	SJO920020150US1	

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 2002/0138559 A1	09-26-2002	Ulrich et al.	
		<sup>US-</sup> 2002/0124137 A1	09-05-2002	Ulrich et al.	
		<sup>US-</sup> 6,425,052 B1	07-23-2002	Hashemi	
		<sup>US-</sup> 5,941,994	08-24-1999	DeKoning et al.	
		<sup>US-</sup> 6,418,539 B1	07-09-2002	Walker	
		<sup>US-</sup> 5,848,230	12-08-1998	Walker	
		<sup>US-</sup> 5,657,439	08-12-1997	Jones et al.	
		<sup>US-</sup> 5,258,984	11-02-1993	Menon et al.	
		<sup>US-</sup> 5,412,661	05-02-1995	Hao et al.	
		<sup>US-</sup> 5,611,069	03-11-1997	Matoba	
		<sup>US-</sup> 5,951,693	09-14-1999	Walton et al.	
		<sup>US-</sup> 6,272,442 B1	08-07-2001	Jeffries	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Cite Initials* No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	- Application of olice becamen	Or Relevant Figures Appear	ו
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

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Substitute for form 1449B/PTO				Complet if Kn wn		
				Application Number		
INF	ORMATIO	N DISCLO	SURE	Filing Date		
ST	ATEMENT	BY APPL	<b>ICANT</b>	First Named Inventor	Hajji	
				Art Unit		
	(Use as many s	heets as necessary	)	Examiner Name		
Sheet	2	of	2	Attorney Docket Number	SJO920020150US1	

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	ż		
		CHEN, M, HSIAO, H., and YU, P.S., "Optimal Data Allotment to Build High Availability and High Performance Disk Arrays", IBM Technical Disclosure Bulletin, May 1994, pages 75-80, Vol. 37, No. 05, IBM Corp.			
		"Method and means for enhanced data scrubbing of RAID 0, and 5 arrays", Research Disclosure, March 2000, page 551, Number 431, 431137.			
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Examiner Signature		Date Considered			

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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